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PHOTO INTELLIGENCE MEMORANDUM

LB
1-29-64

NEW SOVIET ARTILLERY WEAPON

GP/I-95

(Project 71.186)

17 May 1955

DECLASSIFICATION REVIEW BY NIMA / DoD

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DEC 31 Jan	

CENTRAL INTELLIGENCE AGENCY
Office of Research and Reports

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17 May 1955

NEW SOVIET ARTILLERY WEAPON

This memorandum reports completion of a request from Chief, Applied Sciences Division, OSI, dated 16 May 1955 for pertinent dimensions of a new large caliber, field artillery weapon imaged in ground photographs of the 1955 Moscow May Day Parade. In order to expedite the request, a

25X1A copy was hand-carried by [REDACTED] who stated that the following specific dimensions were primarily requested:

- a. diameter of muzzle (immediately behind the muzzle brake)
- b. length of tube (including muzzle brake)
- c. length of breech ring
- d. length of muzzle brake
- e. diameter of tube immediately forward of breech.

The requester stated that the prime mover was also new, so that the dimensions of the wheels were not known. [REDACTED]

25X1B
25X1B
25X1B

25X1A

[REDACTED] This project was completed on a "crash" basis. No time was available for research. The dimensions were supplied to [REDACTED] (see following page) with a note that if the wheel size of the prime mover could be ascertained, a more accurate estimate

25X1A

of the size of the weapon could be determined. [REDACTED] delivered a

25X1A

copy of our memorandum to [REDACTED]

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also requested and received a copy from us.

25X1A

25X1D

25X1A

25X1D

[REDACTED] informed us that the prime mover was a standard model and the rim diameter of the wheel is [REDACTED]. Using this measurement to determine scale, we re-checked our original measurements and found them to be very accurate. [REDACTED] were contacted by phone and informed that as a result of re-checking our measurements on the basis of the known wheel diameter our original measurements were accurate [REDACTED].

Photo References:

25X1C

[REDACTED]

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Soviet Gun/Howitzer Observed at
1955 May Day Parade

25X1D Breech Ring Length - [REDACTED]
25X1D Breech Gate - [REDACTED]
Breech Ring Depth - [REDACTED]
25X1D Tube Diameter at Base - [REDACTED]
25X1D Tube at Muzzle Brake Collar (Diameter) - [REDACTED]
25X1D Diameter Muzzle Brake at Collar - [REDACTED]
Diameter Muzzle Brake at Muzzle - [REDACTED]
25X1D Tube from Breech Ring to Muzzle Brake Collar - [REDACTED]
Length of Muzzle Brake Collar - [REDACTED]
25X1D Overall Muzzle Brake Length - [REDACTED]
25X1D Overall Trail Spade to Muzzle - [REDACTED]
Overall Trail Spade to Pintel - [REDACTED]
25X1D Wheel Diameter - [REDACTED]
25X1D Axle to Axle Length - [REDACTED]

Note: The above size estimates, probably accurate to $\pm 10\%$,
are the result of photogrammetric measurements on photo
[REDACTED], dated 1 May 1955.

25X1C
25X1D
25X1D
25X1B
25X1B

[REDACTED] If the size of the
wheels of the prime mover could be ascertained, a more
accurate estimate of the size of this weapon could be
determined.

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